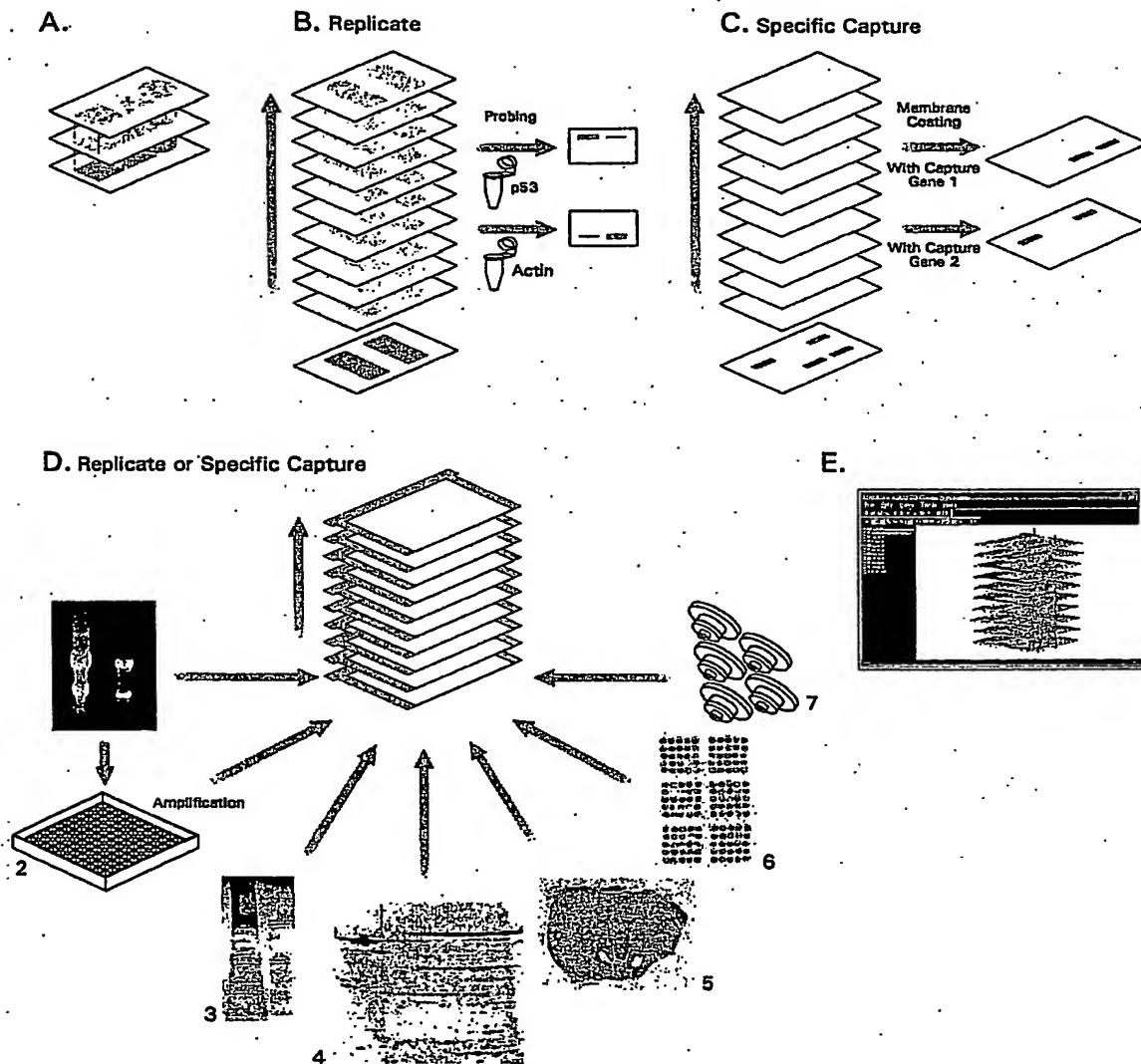


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Figure 1

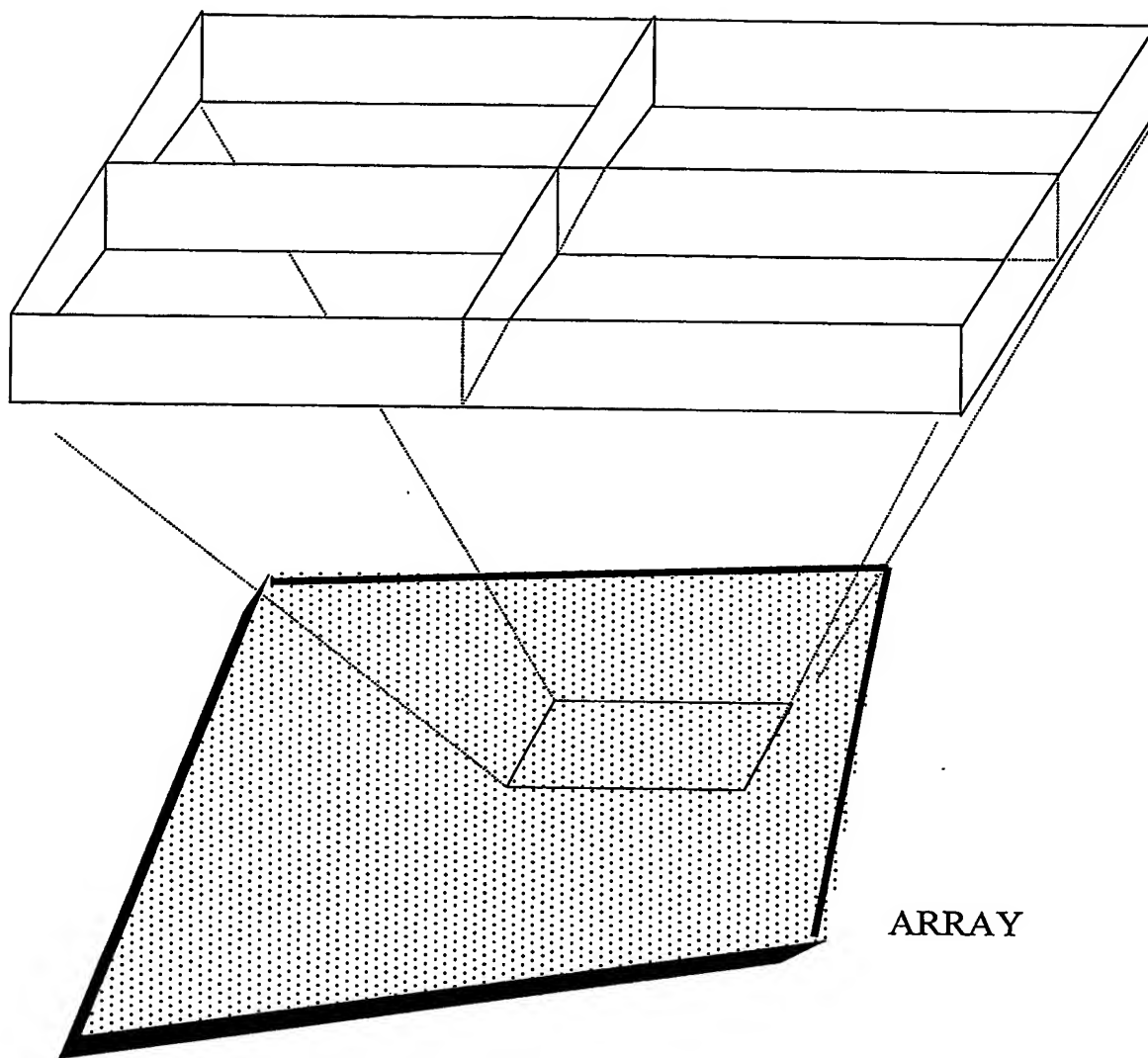


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Figure 2

EMI

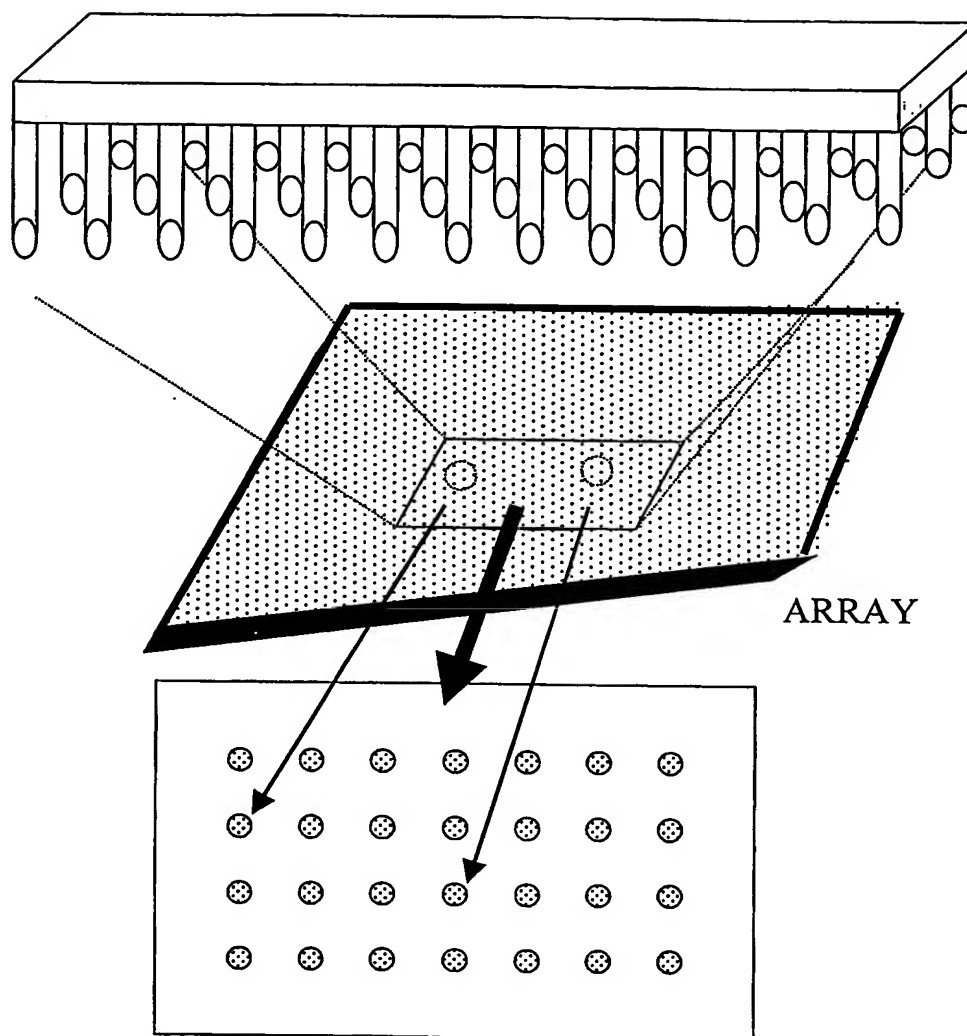


ARRAY

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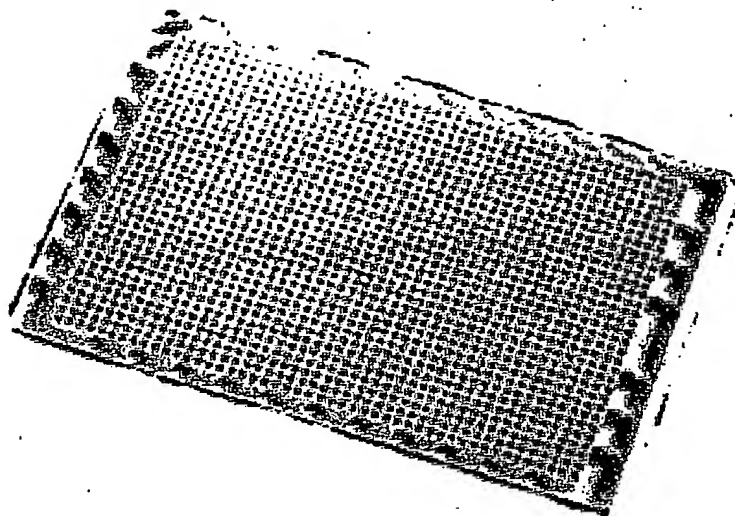
Figure 3

EMI



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Figure 4

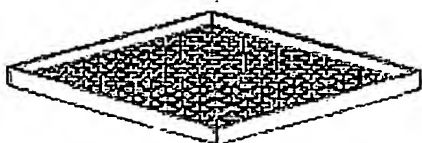


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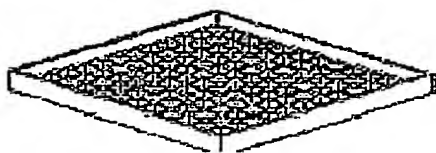
Figure 5



Step 1: Electrophoresis

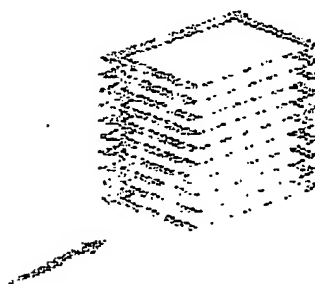


Step 2: Spin Transfer Nucleic Acid Molecules onto EMI Device



Step 3: PCR Amplification of Nucleic Acid Molecules

Step 4: Biomolecules Transferred Through LES Membranes



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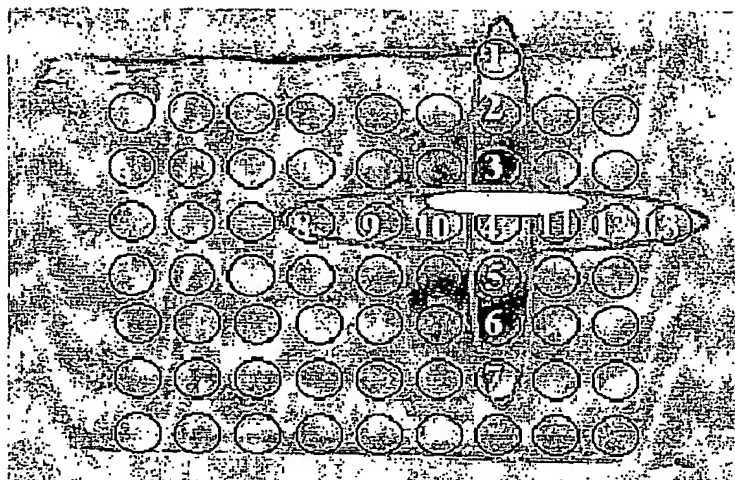


Figure 6A

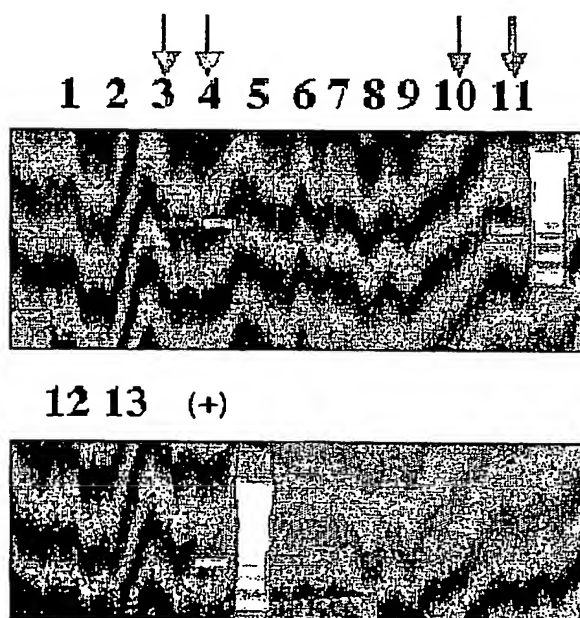


Figure 6B

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